

COFC

PTO/SB/17 (10-07)

Approved for use through 06/30/2010.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2008

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 100

## Complete if Known

Application Number	10/725,779
Filing Date	December 2, 2003
First Named Inventor	Pietraski et al.
Examiner Name	Fritz Alphonse
Art Unit	2112
Attorney Docket No.	I-2-0526.1US

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 09-0435 Deposit Account Name: InterDigital Comm. Corp.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)  
Each independent claim over 3 (including Reissues)  
Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
210	105
370	185

Total Claims Extra Claims Fee (\$)

- 20 or HP = x = 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$)

- 3 or HP = x = 0

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims Fee (\$)

Fee Paid (\$)

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$)

- 100 = / 50 = (round up to a whole number) x = Fee Paid (\$)

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Request for Certificate of Correction

Fees Paid (\$)

100.00

## SUBMITTED BY

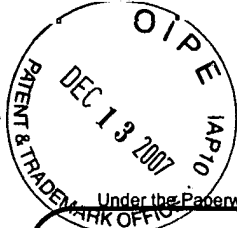
Signature		Registration No. (Attorney/Agent) 57,204	Telephone 215-568-6400
Name (Print/Type)	Robert D. Leonard	Date	12/11/07

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Certificate of Correction  
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PTO/SB/21 (09-04)

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Patent Number	7,293,217
Issue Date	November 6, 2007
First Named Inventor	Pietraski et al.
Application Number	10/725,779
Filing Date	December 2, 2003
Attorney Docket Number	I-2-0526.1US

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Request for Certificate of Correction and Form PTO/SB/44</b>
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	VOLPE AND KOENIG, P.C.		
Signature			
Printed name	Robert D. Leonard		
Date	12/11/07	Reg. No.	57,204

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Robert D. Leonard	Date	12/11/07

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT** of:

Pietraski et al.

**Patent No.:** 7,293,217

**Issued:** November 6, 2007

**Appln. No.:** 10/725,779

**Filed:** December 2, 2003

For: DETECTION, AVOIDANCE AND/OR  
CORRECTION OF PROBLEMATIC  
PUNCTURING PATTERNS IN PARITY BIT  
STREAMS USED WHEN IMPLEMENTING  
TURBO CODE

Our File: I-2-0526.1US

Date: December 11, 2007

**REQUEST FOR CERTIFICATE OF CORRECTION**

Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. §§ 254, 255 and 37 C.F.R. §§1.322, 1.323 is requested for U.S. Patent No. 7,293,217. Correction of the following errors is requested.

**IN THE SPECIFICATION**

At column 4, line 44, before the word "problematic", delete "avoids" and insert therefor --avoid--.

At column 6, line 9, before the words "in a", delete "deice" and insert therefor --  
device--.

12/13/2007 MBLANCO 00000007 090435 7293217

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**DEC 14 2007**

At column 6, line 32, before the word "includes", delete "610" and insert therefor --605--.

At column 6, line 47, after the word "stage", delete "630" and insert therefor --610--.

At column 7, line 42, after the word "combined", delete "in to" and insert therefor --into--.

At column 8, line 7, after the word "number", insert --of--.

At column 8, line 8, before the word "is", delete "bits".

At column 8, line 17, before "(HARQ)", delete "request" and insert therefor --reQuest--.

At column 9, line 20, before the words "in TS", delete "for" and insert therefor --forth--.

At column 12, lines 10 & 11, after the word "point", delete "in to" and insert therefor --into--.

At column 12, line 37, before the words "used to", insert --be--.

At column 16, line 65, after the word "bit,", delete "xk." and insert therefor --x<sub>k</sub>--.

At column 16, line 67, after the word "encoder),", delete "zk" and insert therefor --Z<sub>k</sub>--.

At column 17, line 2, after the word "encoder),", delete "z'k" and insert therefor --z'<sub>k</sub>--.

**Patentee:** Pietraski et al.  
**Patent No.:** 7,293,217

At column 17, line 26, before the word "where", delete " $\Delta N_{il}^{TTI} = N_{IR} - N^{TTI}$ " and insert therefor  $--\Delta N_{il}^{TTI} = N_{IR} - N^{TTI}--$ .

At column 18, line 36, after the word "puncturing", delete "maybe" and insert therefor  $--may\ be--$ .

At column 20, delete lines 1 & 2, and insert therefor

$--Where\ X_{seg1}=42\lfloor X_i/98\rfloor,\ X_{seg2}=56\lfloor X_i/98\rfloor,\ X_{seg3}=X_i\ mod98--$ .

At column 21, line 43, before the words "the analysis", delete "when" and insert therefor  $--When--$ .

#### **IN THE CLAIMS**

At claim 12, column 26, line 9, insert missing copy  $--N$  using--.

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**Patentee:** Pietraski et al.  
**Patent No.:** 7,293,217

**REMARKS**

Patentees believe that the above errors are of such a nature as to justify the issuance of a Certificate of Correction. Patentees have enclosed a completed Certificate of Correction Form PTO/SB/44.

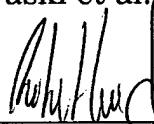
Since at least one of the errors was caused by Applicants, please charge the surcharge fee pursuant to C.F.R. §1.20(a) of \$100.00 to the Deposit Account of InterDigital Communications Corporation, Deposit Account No. 09-0435.

Patentees respectfully request that the Certificate of Correction be issued.

Respectfully submitted,

Pietraski et al.

By



Robert D. Leonard  
Registration No. 57,204  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

RDL/dcb

DEC 14 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 3

PATENT NO. : 7,293,217  
APPLICATION NO.: 10/725,779  
ISSUE DATE : November 6, 2007  
INVENTOR(S) : Pietraski et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**IN THE SPECIFICATION**

At column 4, line 44, before the word "problematic", delete "avoids" and insert therefor --avoid--.

At column 6, line 9, before the words "in a", delete "deice" and insert therefor --device--.

At column 6, line 32, before the word "includes", delete "610" and insert therefor --605--.

At column 6, line 47, after the word "stage", delete "630" and insert therefor --610--.

At column 7, line 42, after the word "combined", delete "in to" and insert therefor --into--.

At column 8, line 7, after the word "number", insert --of--.

At column 8, line 8, before the word "is", delete "bits".

At column 8, line 17, before "(HARQ)", delete "request" and insert therefor --reQuest--.

At column 9, line 20, before the words "in TS", delete "for" and insert therefor --forth--.

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 3

PATENT NO. : 7,293,217  
 APPLICATION NO.: 10/725,779  
 ISSUE DATE : November 6, 2007  
 INVENTOR(S) : Pietraski et al.

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At column 12, lines 10 & 11, after the word "point", delete "in to" and insert therefor --into--.

At column 12, line 37, before the words "used to", insert --be--.

At column 16, line 65, after the word "bit,", delete "xk." and insert therefor --x<sub>k</sub>--.

At column 16, line 67, after the word "encoder),", delete "zk" and insert therefor --z<sub>k</sub>--.

At column 17, line 2, after the word "encoder),", delete "z'k" and insert therefor --z'<sub>k</sub>--.

At column 17, line 26, before the word "where", delete " $\Delta N^{iTTI} = N_{IR} - N^{TTI}$ " and insert therefor -- $\Delta N_{il}^{TTI} = N_{IR} - N^{TTI}$ --.

At column 18, line 36, after the word "puncturing", delete "maybe" and insert therefor --may be--.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 3 of 3

PATENT NO. : 7,293,217  
 APPLICATION NO.: 10/725,779  
 ISSUE DATE : November 6, 2007  
 INVENTOR(S) : Pietraski et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 20, delete lines 1 & 2, and insert therefor

--Where  $X_{seg1}=42 \cdot \lfloor X_i/98 \rfloor$ ,  $X_{seg2}=56 \cdot \lfloor X_i/98 \rfloor$ ,  $X_{seg3}=X_i \bmod 98$ --.

At column 21, line 43, before the words "the analysis", delete "when" and insert therefor

--When--.

### IN THE CLAIMS

At claim 12, column 26, line 9, insert missing copy --  $\hat{N}$  using--.

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